ITP 303 Final Project Summary

INSTRUCTIONS: Type out your answer directly below each question. If a question does not apply to your project, type in N/A. When finished, save this file as a PDF and upload it to the itpwebdev server via FileZilla. Then, add a link to this PDF in your student_page.html. Label it "Final Project Summary."

BASICS

Your name?

Frank Pang

What is the topic of your final project?

A Media sharing website where users can store and edit photos/videos. Basically a very basic and rudimentary version of Google Photos haha.

Who is the intended audience?

Users who would like to share experiences in one place and have a personalized feed.

Provide a brief summary of the functionalities of your project.

Users must login/register to their accounts. From there, they can create albums with a name, description, and thumbnail. They can then upload videos/photos to store within that album. A search functionality is allowed for albums to search by album name, description, or date of creation. A profile page also allows you to change your profile picture and view the total number of albums/media you have uploaded. I used PHP-FFMpeg for thumbnail generation on videos and stored all media files on the server filesystem with their respective filenames on the SQL database.

FRONT-END

What is the total page count?

Index, Login, Register, Albums, Add Album, Edit Album, Album Search, Memories, Profile = 8 viewable pages

List the names of any external stylesheet used in this project below.

- Add_album.css
- Albums.css
- Home.css
- Login.css
- Memories.css
- Profile.css
- Register.css

- Expenses.css

List any CSS libraries/frameworks used in this project (e.g. Bootstrap) below.

- Bootstrap
- Fontawesome

List any JavaScript libraries/frameworks used in this project below.
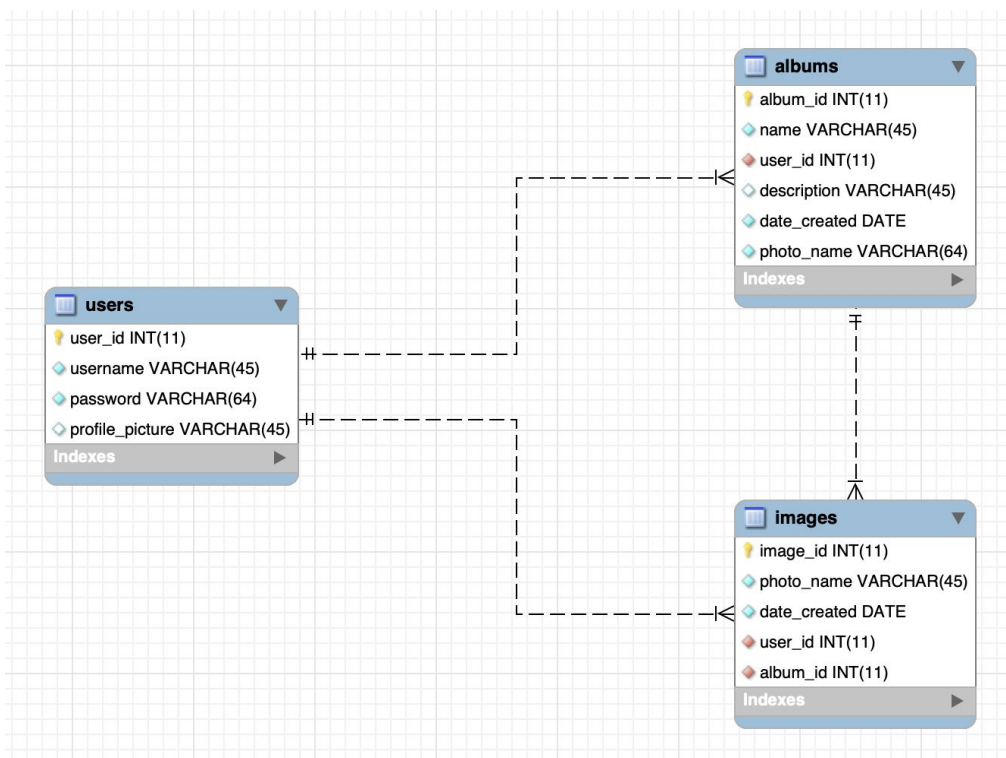
- jQuery

How does your project meet the Interactivity requirement?

- When users hover over albums and images, an overlay appears or the background image brightness darkens. Additionally, when users click on the add icon, they are able to upload or change media files from their filesystem to be added on the website.

BACK-END

Attach a screenshot of the final database diagram (just the diagram, do not include any records) below.

Where in your project do you insert a record to the database (the 'C' in CRUD)?

I insert into the Users table when users register (register.php). I insert into the Albums table when users add an album (albums.php). I insert into the Images table when users upload media (memories.php).

Where in your project do you search and display record(s) from the database (the 'R' in CRUD)?

I search and display records in album_search.php, but records are displayed in both albums.php and memories.php.

Where in your project do you update and existing record(s) the database (the 'U' in CRUD)?

I update existing records in profile.php when users change their profile picture and also in the edit_album.php where users can change the album name, description, or thumbnail.

Where in your project do you delete existing record(s) from the database (the 'D' in CRUD)?

I delete existing records from the database and filesystem when users press delete in either albums.php or memories.php. This is when they decide to remove an album, or media file.

MISC

What two "extra" requirements did you implement and where can they be found?

I used Session variables to store user logins. This can be found in the login folder, where I start sessions. The second one is where I used PHP-FFMpeg for thumbnail generation when uploading videos. This can be found in the final_project directory along with the 'vendor' directory.

If you used any APIs or JS plugins/frameworks as one of the extra requirements, list the name and a link to their documentation.

Here is the link to PHP-FFMpeg. https://github.com/PHP-FFMpeg/PHP-FFMpeg

If your project requires any admin credentials (i.e. only admin users can access a certain page), list the credentials below.

N/A

Provide any other information that you think the grader/instructor should know when grading your final project below.

I have certain files related to expenses that I was not able to complete on time. However, the website should still meet all requirements. Furthermore, the google maps functionality on the profile page was also not implemented, but again, the project requirements should still be met. Additionally, due to FFMpeg having file size limitations for videos, it may time out or prevent it from being uploaded. Otherwise, if you upload a few videos of a bit smaller size, everything works just fine.